

FIGURE 1

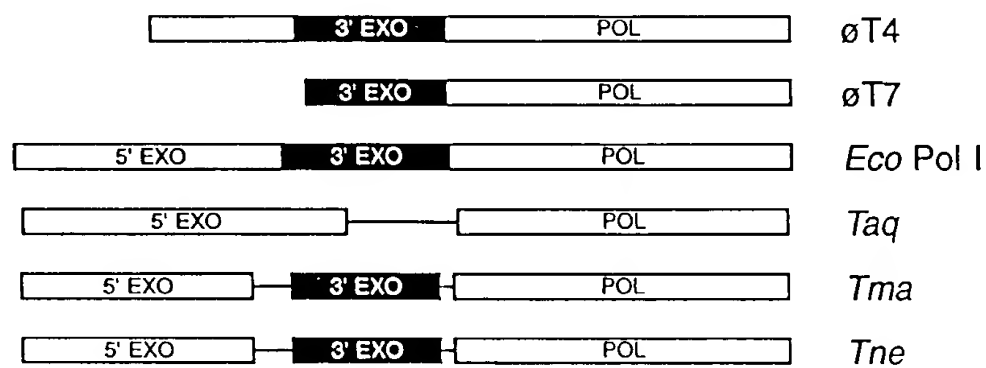


FIGURE 2

	Exo I			Exo II			Exo III		
		Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ
Bsu Pol III	419	ETV	VFDVETTG	LVAHN-A-SFDMGFLN	502	TLCKKF-DIELTQH			
	6	TRQL-VLDTE	TGMINQIG	LVIHN-AA-FDIGFMD	95	ALCARY-EIDNSKR			
Eco Pol III ε	182	RV	YMPFDNERDM	FTGWN	210	DKIRGF--IDLVL			
	1	---	MIVSD	HEANALLESV	57	EEMMDYNVQDVVVT			
Eco Pol I	348	KAP	VFAFDTE	TD	417	EEAGRYAAEDADVT			
	316	ES	PSFALDLE	TSSLD	382	EKAANYSCEDADIT			
Tma	316	EV	PSFALDLE	TSSLD	382	DKAANYSCEDADIT			

FIGURE 3

1 MVOIPQNFILILVDGSSYTRAYHAFPELINSAGEPTCAMYGVNMLRSLIMQY---KPTAAVFDKGGKTFRDELBEH Eco
 1 MAR-----LFLFDGTALAYRAYALDRSLSTSTGIPTNAVYGVARMLVRFIKDHIIIVCKDYVAVAFDKKAATFRHKLELE Tma
 1 MAR-----LFLFDGTALAYRAYALDRSLSTSTGIPTNAVYGVARMLVKFKEHI IPEKDYAAVAFDKKAATFRHKLELEA The
 77 YKSHRPMPDCLRACTEPLHAMVKANGLEPLAVSGVEADDVICTLAREAEKAGRPVISTGDKDMAQLVTPNITL---IN Eco
 76 YKAQRPKTPDLLIQQLPYTKKLEALGKVKLEVEGYEADDIATLAVKGLPLFDEIFITGDKIMQLVNEKIKVWRIVK Tma
 76 YKAQRPKTPDLLVQQLPYTKRLEALGFKVLELEGYEADDIATLAVKGCITFFDEIFITGDKIMQLVNEKIKVWRIVK The
 154 TWNTWIL-GPEEVNRYGVPEPELIIIDELALGDSNIPGVGVGEKTAQALLQGLGGLDTLYAEPEKIAGLSFGCAKIM Eco
 156 GISDLELYDAKVKERYGVPEPQIPDLLALTGDEIDNIPGVGTIGEKTAQVQLLEKYKLEDIL---NFAVRELQQRVKA Tma
 156 GISDLELYDSKKVKERYGVPEPHQIPDLLALTGDEIDNIPGVGTIGEKTAQVQLLGKYRNLEDIL---EHARELPQRVKA The
 233 AAKLEONKEVAYLSYCLATIKTDVEIETGEOLEVOQPAAEELI GLFKYKIEFKRWTADVEACKWLQAKGAKPAAKPQETS Eco
 232 ---LLRDRENAILSKKLAILETNVPIEINWEDLVGYDREKLLPILKELEF-----ASIMKELQ Tma
 232 ---LLRDREVAILSKKLATLVINAPVEVDWEEMKYRGYDKRLLPILKELEF-----ASIMKELQ The
 313 VADEAPEVTATVISYDNVWITLDEETLKAAIAKLEKAPVFAEDTETSLDNISANIVGLSFATIEPGVAYIPIVAFDYLDA Eco
 289 LYEESEPVG-----YRIVKDLVEFEKLLIEKLRESPSFADLETSSLDPFCDIVGISVSFKPKKAYYIPLHHR---N Tma
 289 LYEEAETG-----YEIVKDKHTFEDLIEKLKEVPSFALDETSSLDPFNCEIVGISVSFKPKTAYYIPLHHR---N The
 393 PDOISRERAUEILKPILEDEKALKVGQNLKYDRGILANYGIELRGIAFTIMLESYIUNSVAGRHDMSLAERALKKKTIT Eco
 358 AQNLDEKEVILKKLKEILEDPCAKIVGQNLKEDYKVLVVKGVPEVPEPYFDTMAAYLLEPNEKKFNLDLALKFLGYKMTS Tma
 358 AQNLDETIVLSKLKEILEDPSKIVGQNLKYDYKVLVVKGISFVYPHFDTMAAYLLEPNEKKFNLEDLSLKFLGYKMTS The
 473 FEEIAGKGN---OLTFNOIALEBAGRYAEDADVILQHLKMPDLOKHGELNVFENIEMPLVPLSRIERNGVKIDE Eco
 438 YQELMSFSEPLFGFSFADVPVKAANYSCEDADITYRLYKIL---SKLHEAELENVFYRIEMPLVNLARMELNGVYVDT Tma
 438 YQELMSFSSPLFGFSFADVPVKAANYSCEDADITYRLYKIL---SMKLHEAELENVFYRIEMPLVNLARMELNGVYVDT The
 550 KVLHNESEELTLRLAELKKAHEIAGEEFNLSSIKQLOTLILFEKOGIKPL---KKTPEGARSTSEEVLEELALDYPLPKVIL Eco
 516 EFLKKLSEYGGKLEELAEIYIAGEFPFNINSPKQVSRILFEKLGIKPRGKTTKTGDYSTRIEVLEELAGEHEIPLIL Tma
 516 EFLKKLSEYGGKLEELAEKIYQIAGEFPFNINSPKQVSKILFEKLGIKPRGKTTKTGAYSTRIEVLEETANEHEIVPLIL The
 629 EYRGLAKLKSTYIDKLPKMINPKTGRIHAFHISYHQAATATGRLLSSIDPNLQNLIVRNEEGRRIRQAFIAPEDYVIVSADYS Eco
 596 EYRKIQKLKSTYIDALPKVNPKTGRIHAFHISYHQAATATGRLLSSIDPNLQNLPTKSEEGKEIRKAIVPQDPDWWIVSADYS Tma
 596 EYRKIQKLKSTYIDTLPLKLVNPKTGRIHAFHISYHQAATATGRLLSSIDPNLQNLPTKSEEGKEIRKAIVPQDPDWWIVSADYS The
 708 QIELRIHAHLRDKGLIAFAEKGKIHRAATAEVEGGLPLEIVTSEORRSKATINFGIYGVSAFGLARCLNIPRKEACKY Eco
 676 QIELRILAHLSGDENILRAFAEEGIDVHTLTASRIENVKPEEVNEEMRRAGKMNFSIIYGVTPYGLSVRLGIPVKEAEKM Tma
 676 QIELRILAHLSGDENILVKAFAEEGIDVHTLTASRIENVKPEEVNEEMRRVKGKMNFSIIYGVTPYGLSVRLGIPVKEAEKM The
 788 KDLFYERYFVLEVMERTRACAKEOGYVETIDGRRLYLPTIKSSNGARRAANERAAINPQGTAAIDIKRAMTAVDAWL Eco
 756 IVNYFVLYPKVRDYIQVVSSEAKEKGYVRTLFGKRKRDIPQLMARDKNTQSEGERIAINTPIQGTAAIDIKLAMIDIDEEL Tma
 756 IISYFTLYPKVRSYIQVVAEAKEKGYVRTLFGKRKRDIPQLMARDKNTQSEGERIAINTPIQGTAAIDIKLAMIDIDEEL The
 868 DAEQPRVRMILQVHDELVFEVHKDDVDAVAKOIHOLMENCTHLEVPLIVEVGSSENWDOAH. Eco
 836 KRRNMKSRMIIQVHDELVFEVPEEKDALVBLVKDRMINVVKLSVPLEVDVIGKTS. Tma
 836 RRRNMKSRMIIQVHDELVFEVPEEKEELVDLVKNKMTNVVKLSVPLEVDISIGKWS. The

FIGURE 4

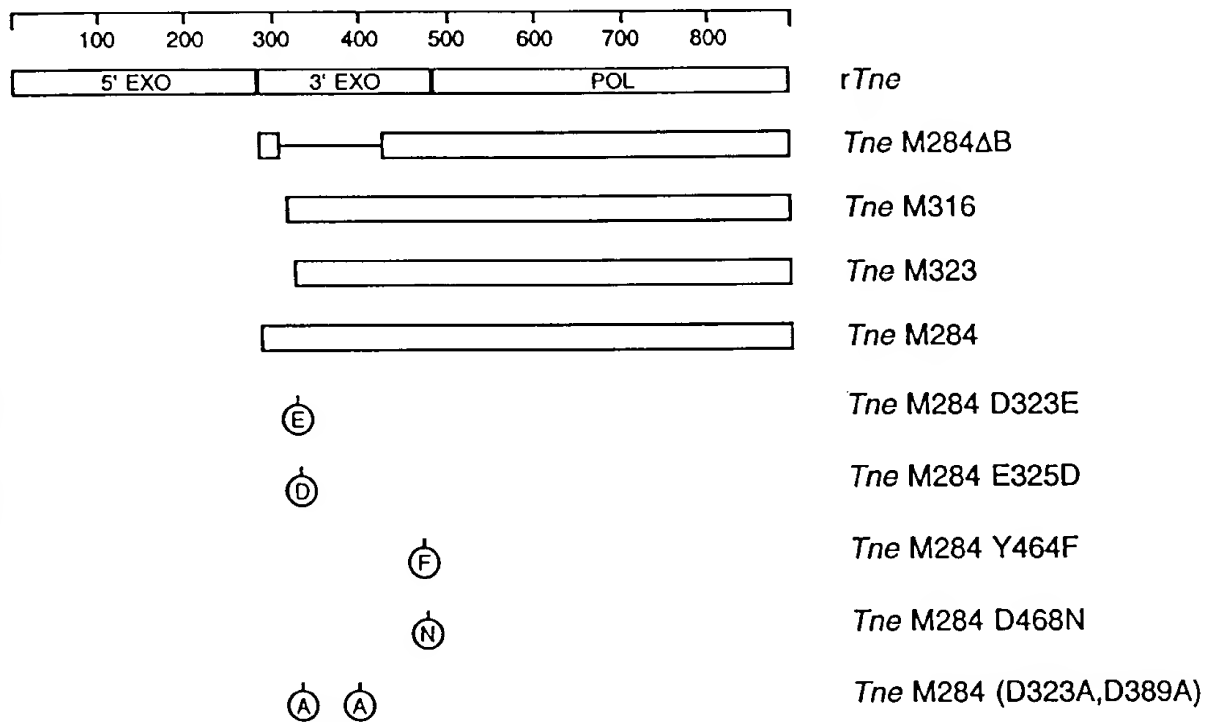
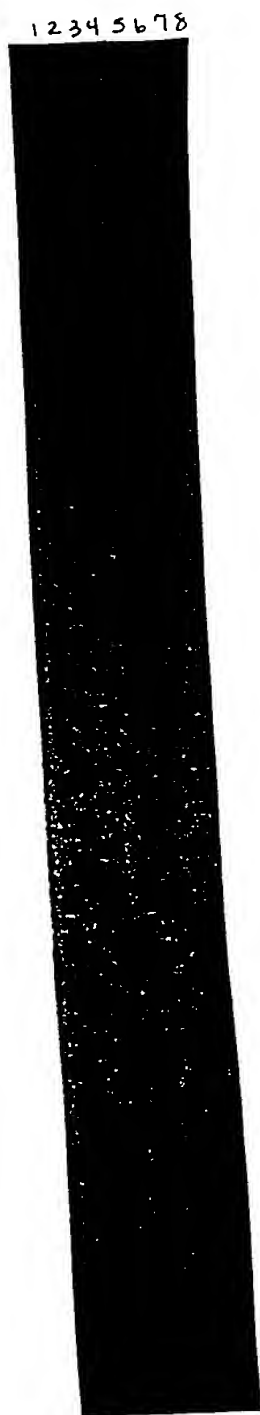


FIGURE 5

A



B



FIGURE 6

A

1 2 3 4 5 6 7 8



B

1 2 3 4 5 6 7 8



C

1 2 3 4 5 6 7 8

